

Application Serial No.: 09/965,180
Amendment and Response to July 18, 2005 Final Office Action

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.(Currently amended) A method for allowing a stand-by server to ~~take over support for communications from~~ operate as a replacement for a main server, comprising:

detecting, by a stand-by server, lack of a signal initiated by a main server, wherein reception of said signal is indicative of availability of said main server;

establishing a connection with at least one client connection device by said stand-by server, wherein said stand-by server operates as a replacement for said main server;

requesting current call state information from said client connection device;

receiving current call state information from said client connection device; and

updating a call state information resource based on said current call state information received from said client connection device.

2.(Original) The method of claim 1, further comprising:
receiving configuration information.

3. (Original) The method of claim 1, wherein said establishing a connection with at least one client connection device includes establishing a connection with said client connection device using an IP address known to said client connection device.

4. (Original) The method of claim 1, wherein said requesting current call state information from said client connection device includes requesting information from said client connection device regarding status of at least one communication line supported by said client connection device.

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5. (Original) The method of claim 1, wherein said receiving current call state information from said client connection device includes receiving information regarding status of at least one communication line supported by said client connection device.

6. (Original) The method of claim 1, further comprising:
prior to said detecting lack of a signal initiated by said main server, receiving at least one signal initiated by said main server, said at least one signal being indicative of availability of said main server.

7. (Original) The method of claim 1, further comprising:
requesting information regarding availability of said main server after said detecting lack of a signal initiated by said main server indicative of availability of said main server.

8. (Currently amended) A method for allowing a client connection device to switch between a main server and a stand-by server, comprising:
conducting a call via a connection with a main server;
dropping said connection to said main server;
establishing a connection with a stand-by server to support said call, wherein said stand-by server operates as a replacement for said main server;
receiving a request for call state information from said stand-by server;
providing current call state information to said stand-by server; and
conducting said call via said connection with said stand-by server.

9. (Original) The method of claim 8, wherein said dropping said connection to said main server includes maintaining said call while dropping said connection to said main server.

10. (Original) The method of claim 8, further comprising:

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detecting lack of a signal sent initiated by a main server, wherein reception of said signal is indicative of availability of said main server.

11. (Original) The method of claim 10, further comprising:

prior to said detecting lack of a signal initiated by said main server, receiving at least one signal initiated by said main server, said at least one signal being indicative of availability of said main server.

12. (Original) The method of claim 8, wherein said establishing a connection with a stand-by server to support said call includes maintaining said call.

13. (Currently amended) A method for allowing a stand-by server to take over support for communications from a main server, comprising:

detecting lack of a signal sent initiated by a main server, wherein reception of said signal is indicative of availability of said main server;

establishing a connection with at least one client connection device by said stand-by server, wherein said stand-by server operates as a replacement for said main server;

requesting that said client connection device reset an active call to a designated call state; and

creating a call state information resource based, at least in part, on said designated call state.

14. (Original) The method of claim 13, further comprising:
receiving configuration information.

15. (Original) The method of claim 13, further comprising:
prior to said detecting lack of a signal initiated by said main server, receiving at least one signal initiated by said main server, said at least one signal being indicative of availability of said main server.

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16. (Original) The method of claim 13, further comprising:
requesting information regarding availability of said main server after said
detecting lack of a signal initiated by said main server indicative of availability of said
main server.

17. (Currently amended) A method for allowing a client connection device to
switch between a main server and a stand-by server, comprising:
conducting a call via a connection with a main server;
dropping said connection to said main server;
establishing a connection with a stand-by server to support said call, wherein
said stand-by server operates as a replacement for said main server;
receiving a request initiated by said stand-by server to reset said call to a
designated call state; and
resetting said call to said designated call state.

18. (Original) The method of claim 17, wherein said dropping said connection to
said main server includes maintaining said call while dropping said connection to said
main server.

19. (Original) The method of claim 17, further comprising:
detecting lack of a signal initiated by a main server, wherein reception of said
signal is indicative of availability of said main server.

20. (Original) The method of claim 19, further comprising:
prior to said detecting lack of a signal initiated by said main server, receiving at
least one signal initiated by said main server, said at least one signal being indicative of
availability of said main server.

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21. (Original) The method of claim 17, establishing a connection with a stand-by server to support said call includes receiving a signal from said stand-by server, said signal using a known IP address.

22. (Original) The method of claim 17, wherein said establishing a connection with a stand-by server to support said call includes maintaining said call.

23. (Currently amended) A method for allowing a stand-by server to take over support for communications from a main server, comprising:

a main server establishing at least one connection with at least one client connection device for support of at least one call;

said main server providing at least one signal to a stand-by server when said main server is available;

said stand-by server establishing at least one connection with said at least one client connection device when said stand-by server does not receive a designated number of signals from said main server indicative of availability of said main server, wherein said stand-by server operates as a replacement for said main server;

said stand-by server requesting call state information from said at least one client connection device; and

said stand-by server updating a call state information resource based on said call state information received from said at least one client connection device.

24. (Currently amended) A method for allowing a stand-by server to take over support for communications from a main server, comprising:

a main server establishing at least one connection with at least one client connection device for support of at least one call;

said main server providing at least one signal to a stand-by server when said main server is available;

said stand-by server establishing at least one connection with said at least one client connection device when said stand-by server does not receive a designated

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number of signals from said main server indicative of availability of said main server,
wherein said stand-by server operates as a replacement for said main server;

said stand-by server requesting said at least one client connection device to
reset to a designated call state; and

said stand-by server creating a call state information resource based, at least in
part, on said designated call state.

25. (Currently amended) A computer program product in a computer readable
medium for facilitating communications, comprising:

~~first~~ instructions for directing a first server to establish at least one connection
with at least one client connection device for support of at least one call;

~~second~~ instructions for directing said first server to initiate at least one signal sent
to a second server when said first server is available, said signal being indicative of
availability of said first server to support said at least one call;

~~third~~ instructions for directing said second server to establish at least one
connection with said at least one client connection device when said second server
does not receive a designated number of signals initiated by said first server indicative
of availability of said first server, wherein said stand-by server operates as a
replacement for said main server;

~~fourth~~ instructions for directing said second server to request call state
information from said at least one client connection device; and

~~fifth~~ instructions for directing said second server to update a call state information
resource based on said call state information received from said at least one client
connection device.

26. (Currently amended) A computer program product in a computer readable
medium for facilitating communications, comprising:

~~first~~ instructions for directing a first server to establish at least one connection
with at least one client connection device for support of at least one call;

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~~second~~ instructions for directing said first server to initiate at least one signal sent to a second server when said first server is available, said signal being indicative of said first server being available to support said at least one call;

~~third~~ instructions for directing said second server to establish at least one connection with said at least one client connection device when said second server does not receive a designated number of signals initiated by said first server indicative of availability of said first server, wherein said stand-by server operates as a replacement for said main server;

~~fourth~~ instructions for directing said second server to request said at least one client connection device to reset to a designated call state; and

~~fifth~~ instructions for directing said second server to create a call state information resource based, at least in part, on said designated call state.